

ESSB 5485 - H COMM AMD

By Committee on Capital Budget

ADOPTED AND ENGROSSED 4/7/11

1 Strike everything after the enacting clause and insert the  
2 following:

3 "NEW SECTION. **Sec. 1.** (1)(a) The University of Washington, led by  
4 the college of built environments, and Washington State University, led  
5 by the college of engineering and architecture, shall conduct a review  
6 of other states' existing building codes, international standards,  
7 peer-reviewed research, and models and tools of life-cycle assessment,  
8 embodied energy, and embodied carbon in building materials.

9 (b) This review must identify:

10 (i) If the standards and models are developed according to a  
11 recognized consensus-based process;

12 (ii) If the standards and models could be implemented as part of  
13 building standards or building codes; and

14 (iii) The scope of life-cycle accounting that the standards and  
15 models address.

16 (2)(a) By September 1, 2012, the University of Washington and  
17 Washington State University shall submit a report to the legislature  
18 consistent with RCW 43.01.036. In addition to providing the data  
19 required in subsection (1) of this section, the report must include  
20 recommendations to the legislature for methodologies to:

21 (i) Determine if a standard, model, or tool using life-cycle  
22 assessment can be sufficiently developed to be incorporated into the  
23 state building code;

24 (ii) Develop a comprehensive guideline using common and consistent  
25 metrics for the embodied energy, carbon, and life-cycle accounting of  
26 building materials; and

27 (iii) Incorporate into every project the ongoing monitoring,  
28 verification, and reporting of a high performance public building's  
29 actual performance over its life cycle.

1 (b) The report must include a list of any journal articles, study  
2 summaries, and other scientific information reviewed by the University  
3 of Washington and Washington State University in the development of the  
4 report and the information relied upon by the University of Washington  
5 and Washington State University in finalizing the report required under  
6 (a) of this subsection.

7 (c) When developing its recommendations under this section, the  
8 University of Washington and Washington State University shall seek  
9 input from organizations representing design and construction  
10 professionals, academics, building materials industries, and life-cycle  
11 assessment experts.

12 (3) For the purposes of this section, "life-cycle assessment" means  
13 manufacturing, construction, operation, and disposal of products used  
14 in the construction of buildings from cradle to grave.

15 NEW SECTION. **Sec. 2.** (1)(a) By December 1, 2012, the department  
16 of general administration shall make recommendations to the  
17 legislature, consistent with RCW 43.01.036, for streamlining current  
18 statutory requirements for life-cycle cost analysis, energy  
19 conservation in design, and high performance of public buildings.

20 (b) The department of general administration shall make  
21 recommendations on what statutory revisions, if any, are needed to the  
22 state's energy life-cycle cost analysis to account for comprehensive  
23 life-cycle impacts of carbon emissions.

24 (2) In making its recommendations to the legislature under  
25 subsection (1) of this section, the department of general  
26 administration shall use the report prepared by the University of  
27 Washington and Washington State University under section 1 of this act.

28 NEW SECTION. **Sec. 3.** If specific funding for the purposes of this  
29 act, referencing this act by bill or chapter number, is not provided by  
30 June 30, 2011, in the omnibus appropriations act, this act is null and  
31 void."

32 Correct the title.

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